

FILM HOSE - FLAME AND CRUSH-RESISTANT



1.7.4

MASTER-PUR STEP-FG

Material

hose wall: 100 % pure polyester polyurethane. 30% more abrasion-resistant than polyether polyurethane

spiral: Polyurethane

Applications

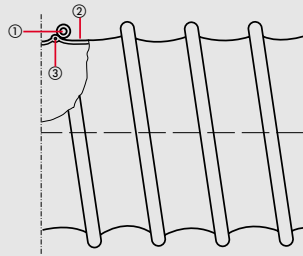
- ideally suitable as suction hoses where conventional hoses can be deformed by bad operating conditions on the floor
- dust and powder conveyance
- light food process dusting
- pharmaceutical industry

Properties

- crush resistant
- excellent resilience properties
- high resistance to mechanical load
- excellent abrasion-resistant
- super lightweight
- highly flexible
- optimum flow characteristics
- electrically conductive by grounding wire
- hose wall (conform to FDA food contact as described in book 21, section 177.2600 and 177.1680)

Construction

- ① hollow-profile spiral
- ② hose wall: polyurethane



Temperature Range

- -40 °F up to +195 °F
- intermittent to +260 °F

Chem. Resistance

see resistance table section no. 15

Technical Data, custom designs and forms of delivery see back page

 **Masterduct**
Member of the Masterflex-Group

MASTER-PUR STEP-FG

Dia (in.)	Positive (in. w.c.)	Negative (in. w.c.)	*Bending radius (in.)	Outer Dia (in.)	Weight (lbs./ft.)	Product code
2.4	305	76	2.6	3.2	0.30195	324-060-501
3.0	245	52	3.0	3.8	0.40931	324-075-501
3.2	213	52	3.2	4.0	0.43615	324-080-501
4.0	185	38	4.0	4.8	0.53680	324-100-501
4.8	153	38	4.8	5.6	0.63745	324-120-501
5.6	121	26	5.6	6.4	0.77165	324-140-501
6.0	121	26	6.0	6.8	0.80520	324-150-501
6.4	121	26	6.4	7.2	0.87230	324-160-501

* Referring to the inner side of the elbow of hose.

The above mentioned data refers to an average and ambient temperature of 68°F. Subject to technical changes and color variations. Please refer to technical data sheet when selecting hose.

Delivery forms:

Standard production:

- Dia. 2.4" - 6.4"
- Color hose wall clear with blue spiral
- Standard lengths 25'

Available on request:

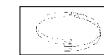
- special lengths
- special diameters up to 12"



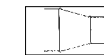
Pacific Air Consultants, Inc.

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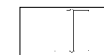
Installation and connection possibilities (see section no. 11 and 12):



CAR-GRIP special hose clamp for CAREFLEX-SUPER hoses and MASTER-PUR STEP



hose reducer, symmetrical



hose connector

CARFLEX SUPER + MASTER-PUR STEP



11.2

CAR-GRIP

Material

clamp band: galvanized steel
screw casing: galvanized steel
bridge: stainless steel

Properties

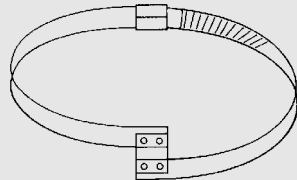
- rust resistant
- easy to install
- extra strength

Applications

- special hose clamps for securing CARFLEX SUPER and MASTER-PUR STEP hoses on mobile and stationary units

Construction

Hose clamp with worm drive with hexagon recessed head screw and spot-welded bridge



Technical Data, custom designs and forms of delivery see back page

CAR-GRIP

for CARFLEX-SUPER and MASTER-PUR STEP (Dia.)	Clamping range (in.)	Product code
2.4" thru 10"	2.4" thru 12"	531-060-100 thru 531-250-100

Note:

CAR-GRIP worm drive hose clamps are only suitable for securing CARFLEX SUPER hoses. We recommend our standard worm drive hose clamps or heavy duty bolted clamps for securing other spiral hoses.

Delivery forms:

Standard production:
 ● clamping ranges from 2.4" - 12"

Available on request:

- in stainless steel
- other clamping ranges



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HOSE REDUCER



11.5

HOSE REDUCER

Material

galvanized steel

Applications

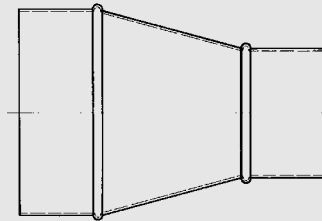
- for extending, connecting and attaching lightweight or medium weight hoses

Properties

- easy to install
- lightweight
- resistant to corrosion

Construction

reducer of rolled sheet steel with beadings on both ends



Technical Data, custom designs and forms of delivery see back page

HOSE REDUCER

(Dia. 1)	(Dia. 2)	S Ga.	L1 (in.)	L2 (in.)	Product code
3" thru 12"	2" thru 10"	24	3.5"	3"	632-080-050 thru 632-300-250

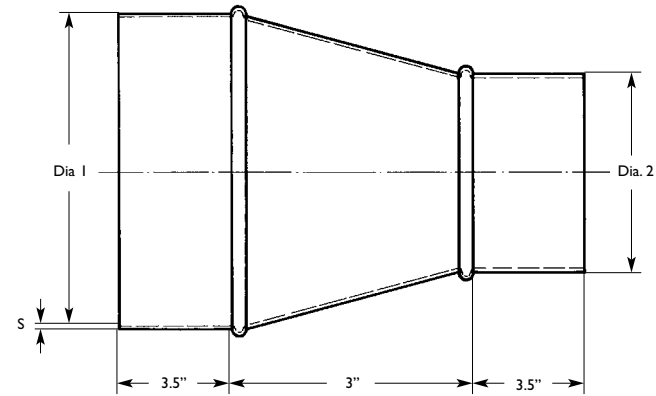
Delivery forms:

Standard production:

- galvanized steel

Available on request:

- special diameters
- stainless steel



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HOSE CONNECTOR



11.6

HOSE CONNECTOR

Material

galvanized steel

Applications

- extending, connecting and attaching lightweight or medium weight hoses

Properties

- easy to install
- lightweight
- resistant to corrosion

Construction

rolled sheet steel with beandings



Technical Data, custom designs and forms of delivery see back page

HOSE CONNECTOR

(Dia.)	Ga.	L (in.)	Product code
2" thru 36"	24	3.5"	630-050-100 thru 630-900-100

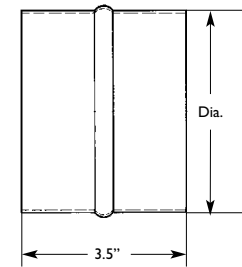
Delivery forms:

Standard production:

- galvanized steel

Available on request:

- special sizes
- stainless steel



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